lack of ability contributed to the failure of these students.

Correlations of test scores with index. The final portion of the study was to show the correlation between test scores and various combinations of test scores and first term index. The purpose of this was to determine the best basis for predicting indexes. The following coefficients of correlation were determined: (Note: Test score percentiles were correlated directly with index points. A higher correlation would have resulted had the indexes been converted to percentiles. However, the degree of direct relationship is still revealed.)

TABLE II

PERCENTILE DISTRIBUTION OF FAILING STUDENTS ON THE THREE TESTS

Percentile distribution	Psych. test	H. S. Cont. test	Reading test
91 - 99	1	1	
81 - 90	1	3	3
71 - 80	0	4	1
61 - 70	6	6	3
51 - 60	3	7	6
41 - 50	5	10	10
31 - 40	6	9	3
21 - 30	9	11	13
11 - 20	13	9	9
1 - 10	20	4	16
No.	64	64	64*
Median	19	38	25

*6 of the 70 failing students did not have scores on all three tests.

Test Scores	No. of Cases	Correlation with index
Psych.	456	.53
H. S. Cont.	439	.42
Reading	435	.48
Combined Psych. & H. S. Content	437	.51
Combined Psych. H. S. Content & Reading	432	.54

It is noted that the highest relationship exists between a combined test average of the three tests used and the index. Perhaps it would be well to experiment with this measure for predicting indexes of college freshmen.

SUMMARY

The evidence definitely shows a substantial relationship between orientation tests and freshmen achievement. Subjective elements which cannot be measured or controlled contribute to the discrepancies between success and potential success as shown by the tests themselves.

The predicted index is valid and accurate to a large degree. It was shown that 63 per cent of all students were within 15 index points of their predicted indexes and 45 per cent were within 10 index points.

On the basis of the findings, it would seem that the reading score should be combined with the psychological score and high school content score in the formulation of the "predicted index" scale.

It is highly probable that the relationship between test scores and predicted indexes would be higher if the study were conducted at the end of three terms' work instead on after only one term.

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